

# AMSOIL SYNTHETIC LUBRICANTS INCREASE FUEL ECONOMY 6.54 PERCENT IN DIESEL TRUCKING APPLICATIONS

Using the **SAE J1321 (TMC RP-1102)**  
In-Service Fuel Economy Test Procedure

## CONVENTIONAL LUBRICANTS

**120,000** annual miles

@ **6 mpg**

**20,000** gallons required

x **\$4.14 /gal.\***

**\$82,800** annual fuel cost

## AMSOIL SYNTHETIC LUBRICANTS

**120,000** annual miles

@ **6.39 mpg**

**18,779** gallons required

x **\$4.14 /gal.\***

**\$77,745** annual fuel cost



## Annual savings on fuel per truck

ONE TRUCK



**\$5,055**

10 TRUCKS



**\$50,550**

50 TRUCKS



**\$252,750**

# AMSOIL

The First in Synthetics®

**6.54%**  
Increase in Fuel  
Economy



\* Average U.S. on-highway diesel fuel price.

# Test Overview

Using industry-standard testing, AMSOIL determined the fuel economy benefits of its synthetic engine and drivetrain lubricants compared to Chevron's Texaco® conventional engine and drivetrain lubricants in diesel trucking applications.

- Followed SAE J1321 (TMC RP-1102) In-Service Fuel Economy Test Procedure methodology
- Featured two Kenworth® T800B diesel trucks and 53' trailers from Ford® Motor Company's\* Rawsonville, Mich. fleet
- Determined if AMSOIL engine oil, transmission oil and gear lube increase fuel economy compared to conventional lubricants
- Real-world driving conditions
- Data downloaded from vehicles' on-board engine control modules (ECMs)

## Baseline Fuel Consumption

- Chevron's Texaco conventional lubricants installed in both trucks
- Trucks simultaneously completed several test runs to eliminate variables
- Baseline mpg of each truck determined

## Test Fuel Consumption

- Test truck flushed of conventional lubricants prior to installation of AMSOIL synthetic lubricants
- Both trucks again simultaneously completed several test runs following the same methodology used to determine baseline fuel consumption
- Results of SAE J1321 (TMC RP-1102) In-Service Fuel Economy Test Procedure prove a **6.54 percent increase in fuel economy using AMSOIL synthetic lubricants**



\* The participation of Ford's fleet does not reflect an endorsement of AMSOIL INC. or AMSOIL products.

## CONVENTIONAL LUBRICANTS USED

### Engine:

Chevron's Texaco URSA® Super Plus 15W-40

### Transmission:

Chevron's Texaco Multigear EP 80W-90

### Front and Rear Differentials:

Chevron's Texaco Multigear EP 80W-90

## AMSOIL SYNTHETIC LUBRICANTS USED

### Engine:

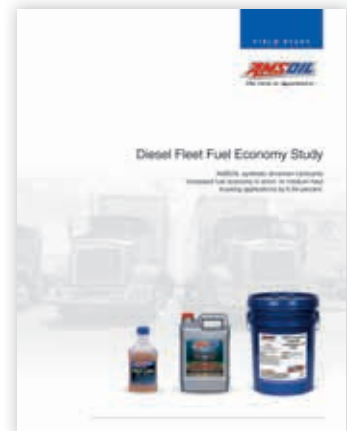
Premium 5W-40 Synthetic Diesel Oil

### Transmission:

SAE 50 Long-Life Synthetic Transmission Oil

### Front and Rear Differentials:

75W-90 Long-Life Synthetic Gear Lube



Complete details of this study are available in the Diesel Fleet Fuel Economy Study Brochure (G2904) available from your AMSOIL Dealer.



AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

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